

Print date: 05/17/2002

[illegible]

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Cm:														
Chagrin-----	0-8	0-50	50-83	10-27	1.20-1.40	0.6-2	0.20-0.24	0.0-2.9	2.0-4.0	.32	.32	5	5	56
	8-41	---	---	18-30	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	---	.32	.37			
	41-65	---	---	5-25	1.20-1.40	0.6-2	0.08-0.20	0.0-2.9	---	.32	.43			
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Melvin-----	0-9	0-50	50-83	12-17	1.20-1.60	0.6-2	0.18-0.23	0.0-2.9	0.5-3.0	.43	.43	5	---	56
	9-27	---	---	12-35	1.30-1.60	0.6-2	0.18-0.23	0.0-2.9	---	.43	.43			
	27-65	---	---	7-35	1.40-1.70	0.6-2	0.16-0.23	0.0-2.9	---	.43	.43			
CoB:														
Coolville-----	0-8	0-50	50-83	17-27	1.30-1.50	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.43	.43	3	6	48
	8-25	---	---	30-40	1.40-1.65	0.6-2	0.16-0.19	3.0-5.9	---	.43	.49			
	25-55	---	---	35-60	1.50-1.70	0.06-0.2	0.10-0.15	3.0-5.9	---	.32	.37			
	55-60	---	---	---	---	0.0000-0.2	---	---	---	---	---			
CtB:														
Cotaco-----	0-15	0-50	50-83	7-27	1.20-1.40	0.6-6	0.12-0.20	0.0-2.9	0.5-4.0	.37	.43	3	---	56
	15-45	---	---	18-35	1.20-1.50	0.6-2	0.07-0.15	0.0-2.9	---	.28	.32			
	45-65	---	---	18-35	1.20-1.50	0.6-2	0.07-0.15	0.0-2.9	---	.28	.32			
DoD:														
Dormont-----	0-6	0-50	50-83	18-27	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.43	.43	3	---	56
	6-51	---	---	20-40	1.40-1.60	0.2-0.6	0.14-0.18	3.0-5.9	---	.28	.32			
	51-65	---	---	20-50	1.30-1.60	0.2-0.6	0.08-0.12	3.0-5.9	---	.28	.32			
GlC:														
Gilpin-----	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	9-14	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	14-38	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	38-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
GlD:														
Gilpin-----	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	9-14	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	14-38	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	38-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
GlE:														
Gilpin-----	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	9-14	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	14-38	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	38-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			

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Table J1b.--Physical Properties of the Soils--Continued

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Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Upshur-----	0-5	0-20	40-73	27-35	1.20-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	---	38
	5-29	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	29-43	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	43-47	---	---	---	---	0.0000-0.2	---	---	---	---	---			
GxD:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Gilpin-----	0-9	0-50	50-83	15-27	1.20-1.40	0.6-2	0.12-0.18	0.0-2.9	0.5-4.0	.32	.32	3	---	---
	9-14	---	---	18-35	1.20-1.50	0.6-2	0.12-0.16	0.0-2.9	---	.24	.28			
	14-38	---	---	15-35	1.20-1.50	0.6-2	0.08-0.12	0.0-2.9	---	.24	.32			
	38-42	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Upshur-----	0-5	---	---	27-35	1.20-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	---	38
	5-29	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	29-43	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	43-47	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Gy:														
Guyan-----	0-9	0-50	50-83	12-25	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.32	.32	4	---	---
	9-65	---	---	20-35	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	---	.37	.37			
Purdy-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Gz:														
Guyan-----	0-9	0-50	50-83	12-25	1.20-1.40	0.6-2	0.18-0.22	0.0-2.9	1.0-3.0	.32	.32	4	---	---
	9-65	---	---	20-35	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	---	.37	.37			
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hu:														
Huntington-----	0-14	0-50	50-83	18-30	1.10-1.30	0.6-2	0.18-0.24	0.0-2.9	3.0-6.0	.28	.28	5	---	---
	14-65	---	---	18-30	1.30-1.50	0.6-2	0.16-0.22	0.0-2.9	---	.32	.32			
Melvin-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
KaA:														
Kanawha-----	0-11	23-52	28-50	10-20	1.20-1.40	0.6-2	0.16-0.22	0.0-2.9	2.0-4.0	.32	.32	4	---	56
	11-65	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.28	.28			
KaB:														
Kanawha-----	0-11	23-52	28-50	10-20	1.20-1.40	0.6-2	0.16-0.22	0.0-2.9	2.0-4.0	.32	.32	4	---	56
	11-65	---	---	18-35	1.30-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

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Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
SoA:														
Sensabaugh-----	0-6	23-52	28-50	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	---	---
	6-20	---	---	18-35	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	---	.20	.24			
	20-30	---	---	12-35	1.30-1.50	0.6-6	0.10-0.15	0.0-2.9	---	.17	.24			
	30-65	---	---	12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9	---	.17	.20			
SrB:														
Sensabaugh-----	0-6	23-52	28-50	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	---	---
	6-20	---	---	18-35	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	---	.20	.24			
	20-30	---	---	12-35	1.30-1.50	0.6-6	0.10-0.15	0.0-2.9	---	.17	.24			
	30-65	---	---	12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9	---	.17	.20			
SvC:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sensabaugh-----	0-6	23-52	28-50	8-25	1.25-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.24	.24	5	---	---
	6-20	---	---	18-35	1.30-1.50	0.6-6	0.10-0.16	0.0-2.9	---	.20	.24			
	20-30	---	---	12-35	1.30-1.50	0.6-6	0.10-0.15	0.0-2.9	---	.17	.24			
	30-65	---	---	12-38	1.25-1.50	0.6-6	0.08-0.14	0.0-2.9	---	.17	.20			
Vandalia-----	0-7	0-50	50-83	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	48
	7-41	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	41-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
Ud:														
Udorthents-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UpC:														
Upshur-----	0-5	0-20	40-73	27-35	1.20-1.50	0.2-0.6	0.12-0.16	3.0-5.9	0.5-3.0	.37	.37	3	---	38
	5-29	---	---	40-55	1.30-1.60	0.06-0.2	0.10-0.14	6.0-8.9	---	.32	.32			
	29-43	---	---	27-45	1.30-1.60	0.06-0.2	0.08-0.12	3.0-5.9	---	.32	.32			
	43-47	---	---	---	---	0.0000-0.2	---	---	---	---	---			
Ur:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Us:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Ashton-----	0-10	0-50	50-83	10-25	1.20-1.40	0.6-2	0.16-0.23	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	10-50	---	---	18-34	1.20-1.50	0.6-2	0.18-0.23	0.0-2.9	---	.43	.43			
	50-65	---	---	10-40	1.25-1.55	0.6-2	0.14-0.20	0.0-2.9	---	.43	.43			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Erosion factors			Wind erodi- bility group	Wind erodi- bility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Lindside-----	0-11	0-50	50-83	15-27	1.20-1.40	0.6-2	0.20-0.26	0.0-2.9	2.0-4.0	.32	.32	5	---	---
	11-35	---	---	18-35	1.20-1.40	0.2-2	0.17-0.22	0.0-2.9	---	.37	.37			
	35-65	---	---	18-35	1.20-1.40	0.2-6	0.12-0.18	0.0-2.9	---	.32	.32			
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UwB:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Wheeling-----	0-9	23-52	28-50	12-20	1.20-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.37	.37	4	---	---
	9-43	---	---	18-30	1.30-1.50	0.6-2	0.08-0.16	0.0-2.9	---	.32	.32			
	43-65	---	---	8-15	1.30-1.50	6-20	0.04-0.08	0.0-2.9	---	.20	.28			
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
VaD:														
Vandalia-----	0-7	0-50	50-83	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	48
	7-41	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	41-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
VuD:														
Urban Land-----	0-6	---	---	---	---	---	---	---	---	---	---	---	---	---
Vandalia-----	0-7	0-50	50-83	20-35	1.20-1.50	0.2-2	0.12-0.18	3.0-5.9	1.0-3.0	.37	.37	4	6	48
	7-41	---	---	35-50	1.30-1.60	0.06-0.6	0.12-0.15	6.0-8.9	---	.32	.32			
	41-65	---	---	27-50	1.30-1.60	0.06-0.6	0.08-0.12	6.0-8.9	---	.32	.32			
Other Soils-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W:														
Water-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---
WhB:														
Wheeling-----	0-9	23-52	28-50	12-20	1.20-1.40	0.6-6	0.12-0.18	0.0-2.9	1.0-3.0	.37	.37	4	---	---
	9-43	---	---	18-30	1.30-1.50	0.6-2	0.08-0.16	0.0-2.9	---	.32	.32			
	43-65	---	---	8-15	1.30-1.50	6-20	0.04-0.08	0.0-2.9	---	.20	.28			